



## A Climate of Extremes

Climate change models indicate that Greater Sudbury is headed for a warmer and wetter climate. We'll be subjected to extremes in temperature and increased droughts and storms.

Depending on the climate change model used, the Canadian Forest Service predicts that by 2100, the majority of our common forest tree species will find the Greater Sudbury area unsuitable. These include Jack pine, red pine, white pine, white spruce, black spruce, white birch, and trembling aspen.

Ecological recovery in Greater Sudbury will need to include species in our plantings that currently grow just to the south of our City. This will need to be continued over the coming decades including ever more southern species as climate change progresses. This type of intervention is called **assisted migration**. New species introduced to the local area will be tracked to gauge success and research will be required on the effects of climate change on species migration.

In a few decades, plant communities in Greater Sudbury will likely be radically different than they are today. The time to prepare for these changes is

**NOW !**

What tree species will replace those that now make up the Greater Sudbury forests?